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# Human EGFR Monoclonal Antibody, Endotoxin 0.05 EU/mg

**Catalog No.: YR0098**

## Basic Information

**Molecular Weight**
150 kDa

**Endotoxin**
<0.05EU/mg (<0.00005EU/μg)
Determined by LAL gel clotting assay

**Sterility**
0.2 μm filtration

**Aggregation**
<5% Determined by SECP

**Purity**
>95% Determined by SDS-PAGE

## Background

Nimotuzumab Biosimilar uses the same protein sequences as the therapeutic antibody nimotuzumab.Like cetuximab, nimotuzumab is a humanized monoclonal antibody that binds to the epidermal growth factor receptor (EGFR), a signalling protein that normally controls cell division. In some cancers, this receptor is altered to cause uncontrolled cell division, a hallmark of cancer. These monoclonal antibodies block EGFR and stop the uncontrolled cell division.It has a humanized human-mouse h-R3 heavy chain and a humanized human-mouse h-R3 κ-chain.Nimotuzumab binds with optimal affinity and high specificity to the extracellular region of EGFR (epidermal growth factor receptor). This results in a blockade of ligand binding and receptor activation. Epidermal growth factor receptor (EGFR) is a key target in the development of cancer therapeutics. EGFR-targeting drugs have been shown to improve response when used with conventional treatments such as radiation therapy and chemotherapy.

## Reported Applications

**ELISA,neutralization,functional assays such as bioanalytical P K and ADA assays,and those assays for studying biological pathways**

## Immunogen Information

**Clone**
Nimotuzumab Biosimilar

**Isotype**
Human IgG1 kappa

**Immunogen**
Human EGFR

**RecommendedIsotype Control(s)**
In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

**Recommended Dilution Buffer**
1×PBS pH 7.4

## Contact


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## Product Information

**Production**
Purified from cell culture supernatant in an animal-free facility

**Purification**
Protein A or G purification

**Storage**
Store at -20℃